THE AIR FORCE

- Is dedicated to protecting human health and the environment by making MRSs safe to reuse.
- Is developing the MMRP by maximizing efficiencies and considering lessons learned from 20 years of environmental restoration experience.
- Will prioritize MRSs according to environmental, health, and safety considerations; current and future planned resource use; and site attributes.

FOR MORE INFORMATION

Please contact the U.S. Air Force's Office of the Civil Engineer, Environmental Division, **Restoration Branch** (HQ USAF/ILEVR) by writing to HQ USAF/ILEVR, 1260 Air Force Pentagon, Washington, D.C. 22030-1260 or by calling 703-607-0223; or by writing to the Beale AFB POC, Mr. Philip Farrell, 9 CES/CEV, 6601 B Street, Beale AFB, CA 95903 or by calling 530-634-2619.



The Air Force developed the Comprehensive Site Evaluation (CSE) process to serve as the initial munitions response action of its Military Munitions Response Program (MMRP). The goal of the CSE is to obtain sufficient data to support Air Force decision-making with regards to effectively managing its munitions response sites (MRSs), while protecting human health and the environment.

The CSE is a holistic process that investigates explosive safety issues for people created by the potential presence of munitions and explosives of concern (MEC), as well as the environmental hazards posed by the presence of munitions constituents (MC). The CSE also addresses hazardous wastes, pollutants and contaminants of concern (COC) when these items are known or suspected to be present at a MRS.

The CSE Phase I obtains historical, anecdotal, visual, analytical, and geophysical data that may be used to generate the following output:

- 1) a conceptual site model (CSM) to evaluate/communicate potential hazards and support decision making;
- 2) a recommendation on whether or not further munitions response action is required;
- 3) a "MRS Priority" listing to prioritize the site for further actions;
- 4) input data required for cost estimating; and,
- 5) input data required for program management functions.

The CSE Phase I process is summarized in the figure below.

The Air Force sees implementation of the CSE as the first step in a performance-

Decision

If MRA/MRS is

a Small Arms Range,

Then Conduct

Presumptive Remedy;

Otherwise Conduct

Phase II CSF

CSF Phase I

Data Collection **Data Collected Major Output** Activities Operational History Interim CSM Historical Records Physical and **Environmental Setting** Review Munitions Response Site Presence of Known Prioritization Protocol - Interim and/or Suspected MEC MRS Priority and/or MC Interviews Presence of Known **Program Management** and/or Suspected Hazardous Waste and/or COCs Cost-to-Complete Estimates Visual Survey Potential Receptors Potential Migration Phase I CSE Report **Pathways**



based, knowledge-driven approach for the Air Force MMRP as a whole. This approach will focus program efforts on achieving end results (as opposed to meeting artificial milestones), and provide high-quality, consistent data to support Air Force decision-making. The Air Force will solicit stakeholder/ agency participation throughout the CSE process. The tentative schedule is shown below.

Schedule



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FOR MORE



A contract for Air Combat Command CSE Phase I activities was awarded in September 2005 and includes on-site records research, interviews and visual surveys of the munitions response areas (MRAs) for nine installations in the Command's MMRP. Beale AFB currently has 44 MRAs identified. Visual surveys of each MRA will be conducted to provide supplemental information including visual confirmation of evidence supporting historical range activities and ordnance usage.

The on-site activities for Beale AFB are tentatively

scheduled to begin in late April 2006.

The Phase I activities include Work Plan preparation, records research, site visits, report preparation, public participation support and administrative record updates. These activities are scheduled to be completed by December 2006.

For further information regarding Beale AFB CSE Phase I activities, please contact Mr. Philip Farrell at 530-634-2619 (alternate contact is Michael O'Brien at 530-634-3856).